METHOD, APPARATUS AND SYSTEM FOR ROUTING MESSAGES
WITHIN A PACKET OPERATING SYSTEM

ABSTRACT

5   The present invention provides a method, apparatus and system for routing a message to a function instance within a packet operating system by receiving the message and requesting a destination address (label) for the function instance from a local repository. Whenever the destination address (label) is local, the message is sent to the function instance. Whenever the destination address (label) is remote, the message is packaged with the

10   destination address (label) and the packaged message is sent to the function instance. Whenever the destination address (label) is not found, the destination address (label) for the function instance is requested from a remote repository, the message is then packaged with the destination address (label) and the packaged message is sent to the function instance. This method can be implemented using a computer program with various code segments to

15   implement the steps of the method.